



AECOM
303 E. Wacker Drive, Suite 900
Chicago, Illinois 60601

312-938-0300 tel
312-938-1109 fax

April 25, 2014

Mr. Richard Realeza
Geo Services, Inc.
1235 East Davis Street, Suite 101
Arlington Heights, IL 60005

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 386067776
Permit Address: 300-350 East South Water Street
AECOM Project No. 60317740

Dear Mr. Realeza:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on March 24 and April 21, 2014 for five Geoprobe boring locations required to perform a geotechnical investigation at the above address.

Surveying was performed for the soil removed from five 2-inch Geoprobe boring locations between N. Columbus Dr. and N. Stetson Ave. (see boring location map). It should be noted that originally six borings were proposed, but boring 3 was not completed. The monitoring revealed no indication of soils above the specified clean-up value established by the U. S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA cleanup value for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228).

Gamma radiation count measurements for borings 1, 2 and 4 were made using Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used, the gamma count threshold indicative of the 7.1 pCi/g cleanup value is 19,958 counts per minute (cpm) unshielded (7,255 cpm shielded). The field gamma background for the area was measured at approximately 5,000 cpm unshielded. The Ludlum Model 2221 gamma readings ranged from a minimum of 3,200 cpm to a maximum of 4,500 cpm unshielded. Since little or no spoil was being generated, several of the two remaining cores (borings 5 and 6) were screened with using a Ludlum Model 3 meter with a pancake probe. The field gamma measurements for these cores generated during the drilling process did not exceed background levels. The field measurements of these fill soil cores also did not exceed background levels.

In summary, there was no indication of the presence of radiologically-contaminated fill soil material and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium at the five Geoprobe boring locations.

As part of the permit conditions this letter has been forwarded to:

Chicago Department of Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Room 200
Chicago, Illinois 60604

Please contact us with any questions you have regarding this letter or the reported results.

Regards,

A handwritten signature in black ink, appearing to be 'B. Schmidt', with a long horizontal flourish extending to the right.

Brian R. Schmidt
Project Scientist II

A handwritten signature in blue ink, appearing to be 'Steve Kornder', with a stylized, cursive script.

Steven C. Kornder, Ph.D.
Senior Project Geoscientist

cc: Rahmat Begum, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch

PERMIT



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.ROW.03 (STREETERVILLE Right-of-Way)

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. **Please note that for some locations, additional health and safety procedures may be required by law.**

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the CDPH and the United States Environmental Protection Agency **within two (2) weeks of their completion**. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): RICHARD REALEZA Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): WITHIN THE STREETS / PARKWAY AND/OR SIDEWALKS OF 300 TO 350 EAST SOUTH WATER STREET, CHICAGO, IL. SEE MAP ATTACHED FOR ESTIMATED BORING LOCATIONS.

Nature of Work: GEOTECHNICAL / ENVIRONMENTAL SOIL BORINGS

Company Name, Address, Phone No.: GEO SERVICES, INC., 1235 EAST DAVIS STREET, SUITE 101, ARLINGTON HTS., IL. 60004
(847) 253-3

General / Prime Contractor Name, Address, Phone No.: - SAME AS ABOVE -
Include subcontractor information if applicable)

Safety Officer / Phone No. DREW PTAK OR RICHARD REALEZA (847) 253-3845

Radiation Contractor / Phone No. (if applicable) STEVE KORNDER (262) 515-7700

Check if City Department Work ☐ Department Name: _____

CDOT Permit No.: 386067776

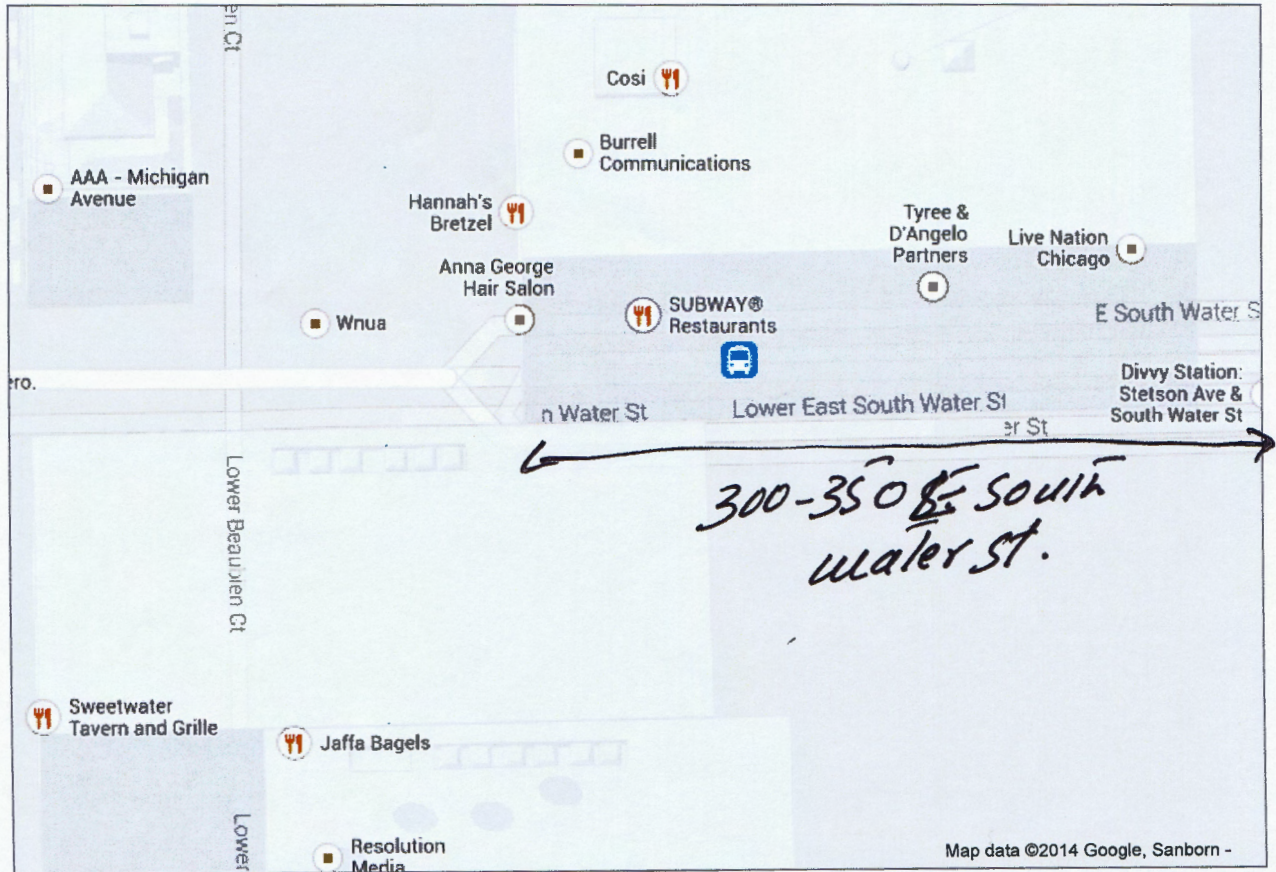
Today's Date: MARCH 10, 2014 Expected Start Date: MARCH 24-28, 2014 CDPH Approval / Date [Signature] 3/11/2014

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only



To see all the details that are visible on the screen, use the "Print" link next to the map.



SKETCH

ALL UTILITIES SHALL BE VERIFIED
IN FIELD BY CONTRACTOR

NOTE:
ALL COORDINATES ARE REFERENCED TO "PLAT OF SURVEY"
PREPARED BY CHICAGO GUARANTEE SURVEY CO. DATED 3-10-1970.
REV 9-21-1970 (ORDER NO. 69-2006)

THIS SECTION OF 66" ϕ
SEWER TO BE REMOVED

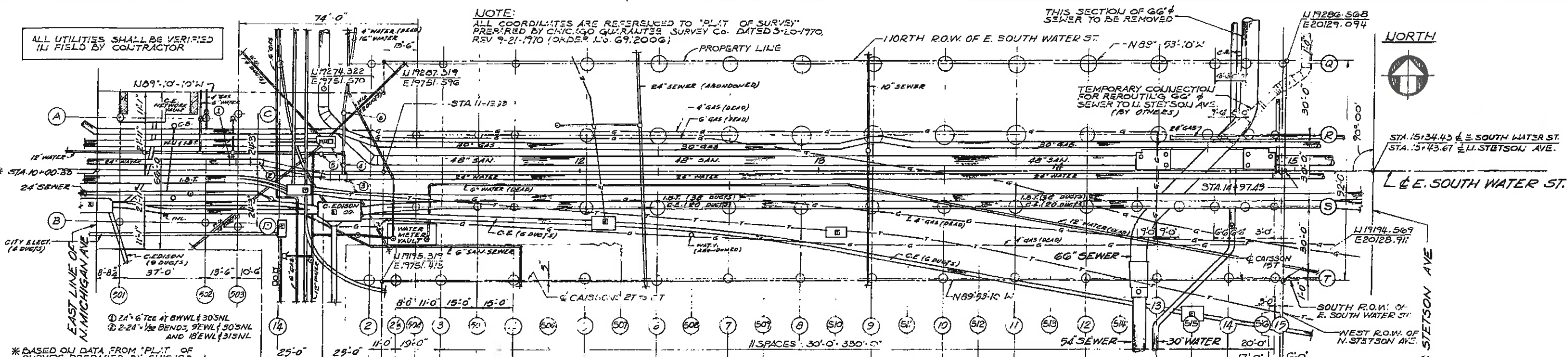
U 19286.568
E 20129.094



STA. 15+34.45 @ E. SOUTH WATER ST.
STA. 15+43.61 @ N. STETSON AVE.

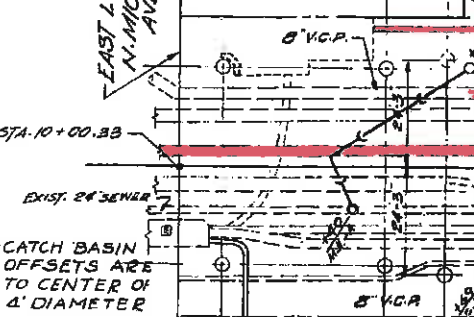
E. SOUTH WATER ST.

N. STETSON AVE



* BASED ON DATA FROM "PLAT OF
SURVEY" PREPARED BY CHICAGO
GUARANTEE SURVEY CO. DATED
JULY 11, 1970 (ORDER NO. 7004003)

- ① 24\"/>



STATION	OFFSET	TYPE	STRUCTURE	FRAME	INVERT ELEV.
10+60	21 LT.	C.B.	C.B.	7.8	2.25
10+69	25 RT.	C.B.	C.B.	8.9	2.25
12+23	10 LT.	C.B.	C.B.	7.3	2.05
12+23	10 RT.	C.B.	C.B.	7.3	2.05
12+23	35.5 RT.	C.B.	C.B.	7.1	1.85
12+30	28 RT.	M.H.	M.H.	7.2	1.30
13+18	35.5 LT.	C.B.	C.B.	5.6	0.35
13+43	10 LT.	C.B.	C.B.	7.6	2.50
13+48	28 RT.	M.H.	M.H.	7.2	-1.25
14+20	28 RT.	M.H.	M.H.	6.4	-2.80
14+26	10 LT.	C.B.	C.B.	6.6	1.35
14+26	10 RT.	C.B.	C.B.	6.6	1.35
11+22	25 RT.	METER	VAULT M.H.	7.8	
16+26	35.5 RT.	C.B.	C.B.	6.4	1.15

REFERENCE DRAWINGS:

1. "RELOCATION OF 30\"/>

2. "CONDUIT"
COMMONWEALTH EDISON CO.
U.C. 151344
SHEET 1 OF 2 DATE: 8-17-1970
SHEET 2 OF 2 REV#2 DATE: 8-31-1970

EXISTING UTILITIES PLAN

SCALE: 1\"/>

PROPOSED UTILITIES PLAN

SCALE: 1\"/>

SEE UTILITIES COORDINATION DRAWING U-4 FOR COMPLETE
AS BUILT INFORMATION

PROFILE OF PROPOSED 30\"/>

SCALE: HORIZ. 1\"/>

PROFILE OF PROPOSED 20-DUCT LINE COMMONWEALTH EDISON CO.

SCALE: HORIZ. 1\"/>

- NOTES:
1. THE WATER METER VAULT AT STA. 11+25 (25 RT.) SHALL BE ABANDONED. THE WATER METER SHALL BE REMOVED BY AND SHALL REMAIN THE PROPERTY OF THE CITY OF CHICAGO.
 2. FOR DETAILS OF HIGH RISE HYDRANTS & VAULTS SEE SHEETS 12, 13 & 14.
 3. FOR LOCATION OF WALL PIPES THROUGH RETAINING WALL SEE SHEET T.
 4. SEE UTILITIES COORDINATION DRAWING SHEET U-4 FOR COMPLETE "AS BUILT" INFORMATION.

NO.	DATE	REVISION
6	4-4-73	AS BUILT
5	5-19-71	CHANGE OFFSETS TO C.B. STA. 10+60 & ADD CLARIFYING NOTE
4	2-8-71	ADDED C.B. 13+43 LT. ADJ. MH.
3	1-28-71	GENERAL REVISIONS
2	7-22-71	REV. HYDRANT LOCATIONS & EXISTING WATER MAINS WATER TIE IN.
1	12-22-70	REVISED STORM SEWER LAYOUT

**EAST SOUTH WATER ST.
MICHIGAN AVE. TO N. STETSON AVE.**

CHICAGO ILLINOIS

ILLINOIS CENTRAL R.R. COMPANY OWNER
METROPOLITAN STRUCTURES INC. DEVELOPER

TITLE
EXISTING AND PROPOSED UTILITIES

SCALE: AS NOTED
DATE: NOV. 20, 1970

DRAWING NO.
11 OF 18

ALFRED BENESCH & COMPANY
CONSULTING ENGINEERS
105 WABASH AVE. CHICAGO, ILLINOIS